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<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete If Known</b>	
				Application Number	09/499526
				Filing Date	February 10, 2000
				First Named Inventor	Kuanghui Lu
				Art Unit	1647
				Examiner Name	R. M. Deberry
Sheet	1	of	1	Attorney Docket Number	CIBT-P01-058

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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RM	CA	Gehlert, Donald R., "Multiple Receptors for the Pancreatic Polypeptide (PP-Fold) Family: Physiological Implications (44263)", Lilly Neuroscience, pages 7 -22 (1998)	
RM	CB	Randle, Philip J., "Regulatory Interactions between Lipids and Carbohydrates: The Glucose Fatty Acid Cycle After 35 Years", Diabetes/Metabolism Review, Vol. 14, pages 263-283 (1998)	

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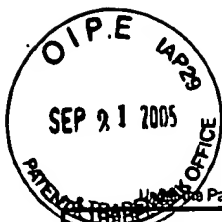
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RD	CN2	Ando, R.; et al., "Feeding responses to several neuropeptide Y receptor agonists in the neonatal chick," Eur J Pharmacol., 427(1):53-59 (2001).				
	CO2	Andres, C. J., et al., "Differentially functionalized diamines as novel ligands for the NPY <sub>2</sub> receptor," Bioorg Med Chem Lett., 13(17):2883-2885 (2003).				
	CP2	Bader, R., et al., "Key Motif to Gain Selectivity at the Neuropeptide Y <sub>5</sub> -Receptor: Structure and Dynamics of Micelle-Bound [Ala <sup>31</sup> , Pro <sup>32</sup> ]-NPY," Biochemistry, 41(25):8031-8042 (2002).				
	CQ2	Balasubramaniam, A., et al., "Structure-activity studies of peptide YY(22-36): N- $\alpha$ -Ac-[Phe <sup>27</sup> ]PYY(22-36), a potent antisecretory peptide in rat jejunum," Peptides, 14(5):1011-1016 (1993).				
	CR2	Balasubramaniam, A., et al., "Synthesis of neuropeptide Y," Int J Pept Protein Res., 29(1):78-83 (1987).				
	CS2	Balasubramaniam, A., et al., "Syntheses and Receptor Affinities of Partial Sequences of Peptide YY (PYY)," Peptide Research, 1(1):32-35 (1988).				
	CT2	Balasubramaniam, A., et al., "Bis(31/31')-[Cys <sup>31</sup> , Nva <sup>34</sup> ]NPY(27-36)-NH <sub>2</sub> : a neuropeptide Y (NPY) Y <sub>5</sub> receptor selective agonist with a latent stimulatory effect on food intake in rats," Peptides, 23(8):1485-1490 (2002).				
	CU2	Balasubramaniam, A., "Neuropeptide Y Family of Hormones: Receptor Subtypes and Antagonists," Peptides, 18(3):445-457 (1997).				
	CV2	Beck, A., et al., "Highly potent and small neuropeptide Y agonist obtained by linking NPY 1-4 via spacer to $\alpha$ -helical NPY 25-36," FEBS Lett., 244(1):119-122 (1989).				
	CW2	Beck-Sickinger, A. G., et al., "Cyclopeptide analogs for characterization of the neuropeptide Y Y <sub>2</sub> -receptor," J Recept Res., 13(1-4):215-228 (1993).				
	CX2	Berglund, M. M., et al., "Recent Developments in Our Understanding of the Physiological Role of PP-Fold Peptide Receptor Subtypes," Exp Biol Med (Maywood), 228(3):217-244 (2003).				
	CY2	Bischoff, A. and Michel, M. C., "Emerging functions for neuropeptide Y <sub>5</sub> receptors," Trends Pharmacol Sci., 20(3):104-106 (1999).				

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CA2	Boublik, J. H., et al., "Synthesis and hypertensive activity of neuropeptide Y fragments and analogues with modified N- or C-termini or D-substitutions," J Med Chem, 32(3):597-601 (1989).
CA3	Cabrele, C. and Beck-Sickinger, A. G., "Molecular characterization of the ligand-receptor interaction of the neuropeptide Y family," J Pept Sci., 6(3):97-122 (2000).
CB3	Cabrele, C., et al., "The first selective agonist for the neuropeptide YY5 receptor increases food intake in rats," J Biol Chem., 275(46): 36043-36048 (2000).
CC3	Cabrele, C., et al., "Ala31-Aib32: Identification of the key motif for high affinity and selectivity of neuropeptide Y at the Y5-receptor," Biochemistry, 41(25):8043-8049 (2002).
CD3	Cabrele, C., et al., "Y-receptor affinity modulation by the design of pancreatic polypeptide/neuropeptide Y chimera led to Y5-receptor ligands with picomolar affinity," Peptides, 22(3):365-378 (2001).
CE3	Chen, Z., et al., "Ser13-phosphorylated PYY from porcine intestine with a potent biological activity," FEBS Lett., 492(1-2):119-122 (2001).
CF3	Conlon, J. M., "The origin and evolution of peptide YY (PYY) and pancreatic polypeptide (PP)," Peptides, 23(2):269-278 (2002).
CG3	Corp, E. S., et al., "Feeding after fourth ventricular administration of neuropeptide Y receptor agonists in rats," Peptides, 22(3):493-499 (2001).
CH3	Cox, H. M., et al., "Structure-activity relationships with neuropeptide Y analogues: a comparison of human Y1-, Y2- and rat Y2-like systems," Regulatory Peptides, 75-76:3-8 (1998).
CI3	Dumont, Y., et al., "Evaluation of truncated neuropeptide Y analogues with modifications of the tyrosine residue in position 1 on Y1, Y2 and Y3 receptor sub-types," Eur J Pharmacology, 238(1):37-45 (1993).
CJ3	Eto, B., et al., "Effects of Peptide YY and Its Analogues on Chloride Ion Secretion in Fed and Fasted Rat Jejunum," Peptides, 16(8):1403-1409 (1995).
CK3	Fackelmann, K., "Gut hormone could curb urge to overeat", USA Today.com (Aug 7 2002)
CL3	Feinstein, R. D., et al., "Structural Requirements for Neuropeptide Y18-36-Evoked Hypotension: A Systematic Study," J Med Chem., 35(15):2836-2843 (1992).
CM3	Fournier, A., et al., "Conformational and Biological Studies of Neuropeptide Y Analogs Containing Structural Alterations," Mol Pharmacol., 45(1):93-101 (1994).
CN3	Gobbi, M., et al., "Autoradiographic Reevaluation of the Binding Properties of 125I-[Leu31,Pro34]Peptide YY and 125I-Peptide YY3-36 to neuropeptide Y Receptor Subtypes in Rat Forebrain," J Neurochem., 72(4):1663-1670 (1999).
CO3	Gordon, E. A., et al., "Centrally truncated neuropeptide Y analog acts as an agonist for Y1 receptors on SK-N-MC cells," Neuroscience Letters, 119(2):187-190 (1990).
CP3	Grundemar, L., et al., "Ligand binding and functional effects of systematic double D-amino acid residue substituted neuropeptide Y analogs on Y1 and Y2 receptor types," Regulatory Peptides, 62(2-3):131-136 (1996).
CQ3	Halatchev, I. G., et al., "Peptide YY3-36 Inhibits Food Intake in Mice through a Melanocortin-4 Receptor-Independent Mechanism," Endocrinology, 145(6):2585-2590 (2004).
CR3	Henry, M., et al., "Energy Metabolic Profile of Mice after Chronic Activation of Central NPY Y1, Y2, or Y5 Receptors," Obesity Research 13(1):36-47 (2005).
CS3	Hu, Y., et al., "Identification of a Novel Hypothalamic Neuropeptide Y Receptor Associated with Feeding Behavior," J Biol Chem., 271(42):26315-26319 (1996).
CT3	Inui, A., "Neuropeptide Y feeding receptors: are multiple subtypes involved?" Trends Pharmacol Sci., 20(2):43-46 (1999).
CU3	Kanatani, A., et al., "L-152,804: Orally active and selective neuropeptide Y Y5 receptor antagonist," Biochemical Biophysical Research Communications, 272(1):169-173 (2000).

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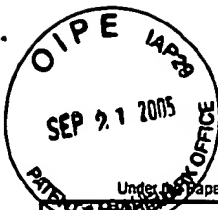
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CV3	Kanatani, A., et al., "The novel neuropeptide Y Y <sub>1</sub> receptor antagonist J-104870: a potent feeding suppressant with oral bioavailability," Biochem Biophys Res Commun., 266(1):88-91 (1999).
CW3	Keire, D. A., et al., "Structure and receptor binding of PYY analogs," Peptides, 23(2):305-321 (2002).
CX3	Keire, D. A., et al., "Solution structure of monomeric peptide YY supports the functional significance of the PP-fold," Biochemistry, 39(32):9935-9942 (2000).
CY3	Keire, D. A., et al., "Primary structures of PYY, [Pro <sup>34</sup> ] PYY, and PYY-(3-36) confer different conformations and receptor selectivity," Am J Physiol. Gastrointest Liver Physiol, 279(1):G126-G131 (2000).
CZ3	Kirby, D. A., et al., "Neuropeptide Y: Y <sub>1</sub> and Y <sub>2</sub> affinities of the complete series of analogues with single D-residue substitutions," J Med Chem., 36(24):3802-3808 (1993).
CA4	Kirby, D. A., et al., "Y <sub>1</sub> and Y <sub>2</sub> receptor selective neuropeptide Y analogues: evidence for a Y <sub>1</sub> receptor subclass," J Med Chem., 38(22):4579-4586 (1995).
CB4	Krstenansky, J. L., et al., "Centrally truncated and stabilized porcine neuropeptide Y analogs: design, synthesis, and mouse brain receptor binding," Proc Natl Acad Sci U S A., 86(12):4377-4381 (1989).
CC4	Krstenansky, J. L., et al., "C-terminal modifications of neuropeptide Y and its analogs leading to selectivity for the mouse brain receptor over the porcine spleen receptor," Neuropeptides, 17(3):117-120 (1990).
CD4	Leban, J. J., et al., "Novel modified carboxy terminal fragments of neuropeptide Y with high affinity for Y <sub>2</sub> -type receptors and potent functional antagonism at a Y <sub>1</sub> -type receptor," J Med Chem., 38(7):1150-1157 (1995).
CE4	Liu, C. D., et al., "Synthetic peptide YY analog binds to a cell membrane receptor and delivers fluorescent dye to pancreatic cancer cells," J Gastrointest Surg., 5(2):147-152 (2001).
CF4	Lundell, L., et al., "Cloning of a human receptor of the NPY receptor family with high affinity for pancreatic polypeptide and peptide YY," J Biol Chem., 270(49):29123-29128 (1995).
CG4	Makimura, H., et al., Obesity Poster Abstract No. 118 "Adrenalectomy stimulates hypothalamic Proopiomelanocortin mRNA but does not correct obesity in diet-induced obese mice." <i>Considered DO NOT PRINT</i>
CH4	Markison S., et al., Obesity Poster Abstract No. 119 "Selective melanin-concentrating hormone receptor antagonists decrease feeding in rodents." <i>Considered DO NOT PRINT</i>
CI4	Martin, N. M., et al., "Pre-obese and obese agouti mice are sensitive to the anorectic effects of peptide YY <sub>3-36</sub> but resistant to ghrelin," Int J Obes Relat Metab Disord., 28(7):886-893 (2004).
CJ4	Mashiko, S., et al., "Characterization of neuropeptide Y (NPY) Y <sub>5</sub> receptor-mediated obesity in mice: chronic intracerebroventricular infusion of D-Trp <sup>34</sup> NPY," Endocrinology, 144(5):1793-1801 (2003).
CK4	Mashiko, S., et al., Obesity Poster Abstract No. 120 "Characterization of neuropeptide Y Y <sub>5</sub> receptor mediated obesity in mice" <i>Considered DO NOT PRINT</i>
CL4	Mullins, D., et al., "Identification of potent and selective neuropeptide Y Y <sub>1</sub> receptor agonists with orexigenic activity in vivo," Molecular Pharmacology, 60(3):534-540 (2001).
CM4	Murakami, Y., et al., "1,3-Disubstituted benzazepines as novel, potent, selective neuropeptide Y Y <sub>1</sub> receptor antagonists," J Med Chem., 42(14):2621-2632 (1999).
CN4	Murase, S., et al., "Acylation of the $\alpha$ -amino group in neuropeptide Y(12-36) increases binding affinity for the Y <sub>2</sub> receptor," J Biochem (Tokyo), 119(1):37-41 (1996).
CO4	Parker, E. M., et al., "GR231118 (1229U91) and other analogues of the C-terminus of neuropeptide Y are potent neuropeptide Y Y <sub>1</sub> receptor antagonists and neuropeptide Y Y <sub>4</sub> receptor agonists," Eur J Pharmacol., 349(1):97-105 (1998).
CP4	Parker, E. M., et al., "[D-Trp <sup>34</sup> ] neuropeptide Y is a potent and selective neuropeptide Y Y <sub>5</sub> receptor agonist with dramatic effects on food intake," Peptides, 21(3):393-399 (2000).

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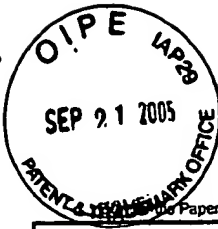
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Q4	Parker, S. L. and Parker, M. S., "FMRFamides exert a unique modulation of rodent pancreatic polypeptide sensitive neuropeptide Y (NPY) receptors," Can J Physiol Pharmacol., 78(2):150-161 (2000).
CR4	Potter, E. K., et al., "A novel neuropeptide Y analog, N-acetyl [Leu28,Leu31]neuropeptide Y-(24-36), with functional specificity for the presynaptic (Y2) receptor," Eur J Pharmacol., 267(3):253-262 (1994).
CS4	Renshaw, D. and Batterham, R. L., "Peptide YY: A Potential Therapy for Obesity," Curr Drug Targets, 6(2):171-179 (2005).
CT4	Rico, L., et al., Obesity Poster Abstract No. 117 "Early and dissociated leptin and insulin resistance in transgenic mice overexpressing leptin from keratinocytes." <i>Considered</i>
CU4	Rist, B., et al., "The bioactive conformation of neuropeptide Y analogues at the human Y2-receptor," Eur J Biochem., 247(3):1019-1028 (1997).
CV4	Rist, B., et al., "Modified, cyclic dodecapeptide analog of neuropeptide Y is the smallest full agonist at the human Y2 receptor," FEBS Lett., 394(2):169-173 (1996).
CW4	Sato, N., et al., "Design and Synthesis of the Potent, Orally Available, Brain-Penetrable Arylpyrazole Class of Neuropeptide Y5 Receptor Antagonists," J Med Chem., 46(5):666-669 (2003).
CX4	Servin, A. L., et al., "Peptide-YY and Neuropeptide-Y Inhibit Vasoactive Intestinal Peptide-Stimulated Adenosine 3',5'-Monophosphate Production in Rat Small Intestine: Structural Requirements of Peptides for Interacting with Peptide-YY-Preferring Receptors," Endocrinology, 124(2):692-700 (1989).
CY4	Shan, L., et al., "Structural Basis for Gluten Intolerance in Celiac Sprue," Science, 297(5590):2275-2279 (2002).
CZ4	Sheikh, S. P., "Neuropeptide Y and peptide YY: major modulators of gastrointestinal blood flow and function," Am J Physiol., 261(5 Pt 1):G701-G715 (1991).
CA5	Silva, A. P., et al., "Neuropeptide Y and its receptors as potential therapeutic drug targets," Clinica Chimica Acta, 326(1-2):3-25 (2002).
CB5	Small, C. J., et al., "Peptide analogue studies of the hypothalamic neuropeptide Y receptor mediating pituitary adrenocorticotrophic hormone release," Proc Natl Acad Sci U S A., 94(21):11686-11691 (1997).
CC5	Soll, R. M., et al., "Novel analogues of neuropeptide Y with a preference for the Y1-receptor," Eur J Biochem., 268(10):2828-2837 (2001).
CD5	Tatemoto, K., et al., "Synthesis of receptor antagonists of neuropeptide Y," Proc Natl Acad Sci U S A., 89(4):1174-1178 (1992).
CE5	Thum, A., et al., "Endoproteolysis by isolated membrane peptidases reveal metabolic stability of glucagon-like peptide-1 analogs, exendins-3 and -4," Exp Clin Endocrinol Diabetes, 110(3):113-118 (2002).
CF5	Totheroh, G., "Science Offers Promising Treatment for an Overweight Nation" CBN News (Sept 4, 2003).
CG5	Tschop, M., et al., "Physiology: does gut hormone PYY3-36 decrease food intake in rodents? Nature. 2004 Jul 8; 430(6996):1 p following 165; discussion 2 p following 165.
CH5	Tseng, W. W. and Liu, C. D., "Peptide YY and cancer: current findings and potential clinical applications," Peptides, 23(2):389-395 (2002).
CI5	Turnbull, A. V., et al., "Selective antagonism of the NPY Y5 receptor does not have a major effect on feeding in rats," Diabetes, 51(8):2441-2449 (2002).
CJ5	Walker, M. W., et al., "Neuropeptide Y modulates neurotransmitter release and Ca <sup>2+</sup> currents in rat sensory neurons," J Neurosci., 8(7):2438-2446 (1988).
CK5	Walker, M. W., et al., "A structure-activity analysis of the cloned rat and human Y4 receptors for pancreatic polypeptide," Peptides, 18(4):609-612 (1997).

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CL5	Weinberg, D. H., et al., "Cloning and expression of a novel neuropeptide Y receptor," J Biol Chem., 271(28):16435-16438 (1996).	
CM5	Wilding, J. P., "Neuropeptides and appetite control," Diabet Med., 19(8):619-627 (2002).	
CN5	HYPERDICTIONARY definition of "Structure Activity Relationship"	considered to not print

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